PRO14PCT.ST25.txt SEQUENCE LISTING

| <110> | PROLIGO, LLC Arar, Khalil | |
|--|--|----|
| <120> | Fluorogenic Nucleic Acid Probes Including LNA For Methods To Detect And/Or Quantify Nucleic Acid Analytes | |
| <130> | PRO14PCT | |
| <150> <151> | 60/482,684 2003-06-26 | |
| <160> | 15 | |
| <170> | PatentIn version 3.2 | |
| <210> <211> <212> <213> | 1 18 DNA Artificial | |
| <220> <223> | Synthetic nucleic acid ligand | |
| <400> 1 aggaagatgt gcctttca | | 18 |
| <210> <211> <212> <213> | 2 19 DNA Artificial | |
| <220> <223> | Synthetic Nucleic Acid Ligand | |
| <400> 2 aaatgcttgc tagaccaat | | 19 |
| <210> <211> <212> <213> | 3 25 DNA Artificial | |
| <220> <223> | Synthetic Nucleic Acid Ligand | |
| <220> <221> <222> <223> | misc_feature (11)(11) C at position 11 is derivatized with dye LC Red 640 | |
| <400> 3 ccaccttctc caagaactat attgt 25 | | |
| <210> <211> <212> <213> | 4 22 DNA Artificial | |

Page 1

WO 2005/003373 PCT/US2004/019671

PRO14PCT.ST25.txt

```
<220>
         Synthetic Nucleic Acid Ligand
 <223>
 <400> 4
 cgttgacctc cactcagtgt ga
                                                                                             22
<210>
         5
17
 <211> 17
<212> DNA
 <213> Artificial
 <220>
<223> Synthetic Nucleic Acid Ligand
<220>
<221> misc_feature
<222> (5)..(5)
<223> C at position 5 is a locked nucleic acid
<220>
<221> misc_feature
<222> (11)..(11)
<223> C at position 11 is derivatized with dye LC Red 640
<220>
<221> misc_feature
<222> (11)..(11)
<223> C at position 11 is a locked nucleic acid
<220>
<221> misc_feature
<222> (15)..(15)
<223> A at position 15 is a locked nucleic acid
<400>
ccaccttctc caagaac
                                                                                            17
<210> 6
<211> 17
         17
<212> DNA
<213> Artificial
<220>
<223> Synthetic Nucleic Acid Ligand
<220>
<221>
<222>
        misc_feature
(4)..(4)
        T at position 4 is a locked nucleic acid
<220>
<221>
<222>
        misc_feature
        (8)..(8)
<223>
        C at position 8 is a locked nucleic acid
<220>
<221> misc_feature
<222> (12)..(12)
```

Page 2 '

```
PRO14PCT.ST25.txt
<223> T at position 12 is a locked nucleic acid
<400> 6
acctccactc agtgtga
                                                                                      17
<210> 7
<211> 17
<212> DNA
<213> Artificial
<220>
<223> Synthetic Nucleic Acid Ligand
<220>
<221> misc_feature
<222> (10)..(11)
<223> C at position 10 and 11 is a locked nucleic acid
<220>
<221> misc_feature <222> (11)..(11)
<223> C at position 11 is derivatized with dye LC Red 640
<220>
<221> misc_feature
<222> (12)..(12)
<223> A at position 12 is a locked nucleic acid
<400> 7
ccaccttctc caagaac
                                                                                     17
<210> 8
<211> 16
<212> DNA
<213> Artificial
<220>
<223> Synthetic Nucleic Acid Ligand
<220>
<221> misc_feature
<222> (7)..(9)
<223> C at positions 7 and 9 is a locked nucleic acid
<220>
<221>
<222>
        misc_feature
       (8)..(8)
<223> Tat position 8 is a locked nucleic acid
<400> 8
cctccactca gtgtga
                                                                                     16
<210>
<211>
<212>
        15
       DNA
       Artificial
<213>
<220>
```

Page 3

```
PRO14PCT.ST25.txt
<223> Synthetic Nucleic Acid Ligand
<220>
<221> misc_feature <222> (5)..(5)
<223> T at position 5 is a locked nucleic acid
<220>
<221> misc_feature
<222> (6)..(7)
<223> C at positions 6 and 7 is a locked nucleic acid
<220>
<221> misc_feature
<222> (7)..(7)
<223> C at position 7 is derivatized with dye LC Red 640
<220>
<221> misc_feature
<222> (11)..(11)
<223> A at position 11 is a locked nucleic acid
<400> 9
cttctccaag aacta
                                                                                   15
<210> 10
<211> 16
<212> DNA
<213> Artificial
<220>
<223> Synthetic Nucleic Acid Ligand
<220>
<221>
       misc_feature
<222> (1)..(1)
<223> C at position 1 is a locked nucleic acid
<222>
<220>
<221>
       misc_feature
<222>
<223>
       (4)..(4)
T at position 4 is a locked nucleic acid
<220>
<221>
       misc_feature
<222> (7)..(7)
<223> G at position 7 is a locked nucleic acid
<220>
<221>
       misc_feature
       (11)..(11)
<222>
<223> G at position 11 is a locked nucleic acid
<400> 10
cactcagtgt gattcc
                                                                                  16
<210> 11
<211> 13
<212> DNA
```

Page 4

```
PRO14PCT.ST25.txt
<213> Artificial
<220>
<223>
      Synthetic Nucleic Acid Ligand
<220>
<221>
       misc_feature
<222>
       (1)..(1)
<223> C at position 1 is a locked nucleic acid
<220>
<221>
       misc_feature
<222>
       (2)..(2)
<223>
       T at position 2 is a locked nucleic acid
<220>
<221>
       misc_feature
<222>
       (6)..(7)
<223>
       C at positions 6 and 7 is a locked nucleic acid
<220>
<221>
       misc_feature
<222>
       (7)..(7)
       C at position 7 is derivatized with dye LC Red 640
<223>
<220>
<221> misc_feature
<222> (10)..(10)
<223> G at position 10 is a locked nucleic acid
<400> 11
cttctccaag aac
                                                                            13
<210>
       12
<211>
       14
<212>
      DNA
<213>
       Artificial
<220>
<223>
       Synthetic Nucleic Acid Ligand
<220>
<221>
       misc_feature
<222>
       (1)..(1)
<223>
       C at position 1 is a locked nucleic acid
<220>
<221>
       misc_feature
<222>
       (6)..(6)
<223>
       T at position 6 is a locked nucleic acid
<220>
<221>
<222>
<223>
       misc_feature
       (7)..(7)
       G at position 7 is a locked nucleic acid
<220>
<221>
<222>
       misc_feature
       (10)...(10)
       A at position 10 is a locked nucleic acid
                                          Page 5
```

PRO14PCT.ST25.txt

| <220> <221> <222> <223> | misc_feature (13)(13) C at position 13 is a locked nucleic acid | | |
|----------------------------------|--|----|--|
| <400> ctcagt | <400> 12 ctcagtgtga ttcc | | |
| <210> <211> <212> <213> | 13 13 DNA Artificial | | |
| <220> <223> | Synthetic Nucleic Acid Ligand | | |
| <220> <221> <222> <223> | misc_feature (1)(1) C at position 1 is a locked nucleic acid | | |
| <220> <221> <222> <223> | misc_feature (7)(7) C at position 7 is derivatized with dye LC Red 640 | | |
| <400> cttctc | <400> 13 cttctccaag aac | | |
| <210> <211> <212> <213> | 14 14 DNA Artificial | | |
| <220> <223> | Synthetic Nucleic Acid Ligand | | |
| <400> ctcagt | 14 gtga ttcc | 14 | |
| <210> <211> <212> <213> | 15 13 DNA Artificial | | |
| <220> <223> | Synthetic Nucleic Acid Ligand | | |
| <220> <221> <222> <223> | misc_feature (7)(7) C at position 7 is derivatized with dye LC Red 640 | | |
| <400> cttctc | 15 caag aac | 13 | |